What is claimed is:

1. A method for segmenting 3-D object information observed in a trinocular set of 2-D images comprising the steps of:

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acquiring an image from each camera of a trinocular device;

detecting sets of edge data corresponding to each said image;

performing pair-wise matching analysis on at least two pairs of sets of said edge data;

merging the at least two outputs of said pair-wise matching analysis;

computing 3-D features from said merged output; and

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clustering said 3-D features into discrete 3-D objects.